Author Index to Volume 213

Abouaf, R., J. Pommier and S. Cvejanovic, Electron impact on free C_{60}. Excited states below 10 eV 213 (1993) 503
Adam, P., see J. Janszky 213 (1993) 368
Ågren, H., see Y. Luo 213 (1993) 356
Agterberg, D.F., W. Que and M.B. Walker, Comment on "Structure and lattice dynamics of the ordered phase of solid C_{70}" 213 (1993) 207
Almlöf, J., see O. Vahtras 213 (1993) 514
Almlöf, J., see A. Ghosh 213 (1993) 519
Amstrup, B., see N.E. Henriksen 213 (1993) 65
André, J.C., see A.T. Reis e Sousa 213 (1993) 333
Arratia-Pérez, R., The $M_6S_8L_6$ clusters: an example in cluster and condensed phase chemistry 213 (1993) 547
Asthana, B.P., see R.K. Singh 213 (1993) 210
Athanassenas, K., D. Kreisle, B.A. Collings, D.M. Rayner and P.A. Hackett, Ionization potentials of niobium cluster oxides 213 (1993) 105
Atkinson, J.B., see J. Supronowicz 213 (1993) 282
Augspurger, J.D., A.C. deDios, E. Oldfield and C.E. Dykstra, Computing nuclear magnetic resonance chemical shielding in large systems via multipole shielding polarizabilities 213 (1993) 211
Azuma, K., see S. Bachir 213 (1993) 54

Bachir, S., J.C. Ronfard-Haret, K. Azuma, D. Kouyaté and J. Kossanyi, Direct impact excitation of thulium(III) luminescence in polycrystalline $ZnO:Tm^{3+}$ electrodes in contact with an aqueous electrolyte, and attribution of the luminescence spectrum 213 (1993) 54
Baker, J. and J.M. Dyke, A photoelectron and ab initio study of the CH_3SCH_2 radical 213 (1993) 257
Baker, J., S.K. Bramble and P.A. Hamilton, A hot band LIF study of the $A\ ^1\Pi_u$–$X\ ^1\Sigma_g^+$ transition in C_3 213 (1993) 297
Balaji, V., see H.S. Plitt 213 (1993) 158
Balasubramanian, K., see D.-W. Liao 213 (1993) 174
Baldacchino, G., see P. Hébert 213 (1993) 345
Bancewicz, T., Translational spectral moments for induction operators of non-multipolar form 213 (1993) 363
Baros, F., see A.T. Reis e Sousa 213 (1993) 333
Barrans, Y., see M. Lequan 213 (1993) 71
Barton, J.J., see B.L. Petersen 213 (1993) 412
Bartram, S., see S. Grimme 213 (1993) 32
Barzoukas, M., see M. Lequan 213 (1993) 71
Baum, G. and J.R. Huber, Photodissociation of CF_2BrCl at 193 nm investigated by photofragment translational spectroscopy 213 (1993) 427
Bethune, D.S., see C.-H. Park 213 (1993) 196
Bird, D.M., see J.A. White 213 (1993) 422
Bisht, P.B., H. Petek and K. Yoshihara, Exciplex formation in van der Waals complexes of naphthalene–triethylamine in a supersonic jet 213 (1993) 75

Bist, H.D., see R.K. Singh 213 (1993) 210
Bodesheim, M., see R. Schmidt 213 (1993) 111
Bolender, J.P., D.H. Metcalf and F.S. Richardson, Chirality-dependent intermolecular interactions probed by time-resolved chiroptical luminescence measurements of enantiodifferential excited-state quenching kinetics 213 (1993) 131
Bonačić-Koutecký, V., P. Fantucci, C. Fuchs, C. Gatti, J. Pittner and S. Polezzo, Ab initio predictions of optically allowed transitions in Na_{20}. Nature of excitations and influence of geometry 213 (1993) 522
Booth, C., see C.-H. Park 213 (1993) 196
Braga, M. and S. Larsson, Correlation and relaxation effects in the electronic coupling between acetylenic π and π^* electrons through saturated and aromatic spacers 213 (1993) 217
Bramble, S.K., see J. Baker 213 (1993) 297
Bravic, G., see M. Lequan 213 (1993) 71
Breest, A., see S. Grimme 213 (1993) 32
Breton, J. and E. Nabedryk, $S_0 \rightarrow T_1$ infrared difference spectrum of the triplet state of the primary electron donor in *Rb. sphaeroides* photosynthetic bacterial reaction centers 213 (1993) 571
Bridges, F., see C.-H. Park 213 (1993) 196
Brion, J., A. Chakir, D. Daumont, J. Malicet and C. Parisse, High-resolution laboratory absorption cross section of O_3. Temperature effect 213 (1993) 610
Broyer, M., see K. Kobe 213 (1993) 554
Burn, P.L., see I.D.W. Samuel 213 (1993) 472
Burshtein, Z., see R. Gvishi 213 (1993) 338

Cahill, P.A., see C.C. Henderson 213 (1993) 383
Cai, Z.-L., X.-G. Zhang and X.-Y. Wang, Ab initio study of four low-lying electronic states of the CCS molecule 213 (1993) 168
Caldiño G., U., M. Voda, F. Jaque, J. García Solé and A.A. Kaminskii, Nd^{3+} multisites in the disordered $Ca_3Ga_2Ge_3O_{12}$ laser crystal 213 (1993) 84
Caldwell, C.D., see S.J. Schaphorst 213 (1993) 315
Capitelli, M., see G. Colonna 213 (1993) 5
Castanheira, E.M.S., see A.T. Reis e Sousa 213 (1993) 333
Chabach, D., see T.-H. Tran-Thi 213 (1993) 139
Chakir, A., see J. Brion 213 (1993) 610
Chang, R.K., see J.L. Cheung 213 (1993) 309
Chang, T.-C., H.-W. Li, T.-C. Hsieh and S.-H. Chou, Picosecond time-resolved CSRS study of vibrational dephasing of bulk modes perturbed by electronic state of dilute impurities 213 (1993) 564
Chasseau, D., see M. Lequan 213 (1993) 71
Chen, J. and P.J. Dagdigian, Spectrally resolved fluorescence in the HNF (DNF) $\tilde{A}^2A'$–$\tilde{X}^2A''$ band system 213 (1993) 586
Cheung, J.L., A.S. Kwok, K.A. Juvan, D.H. Leach and R.K. Chang, Stimulated low-frequency emission from anisotropic molecules in microdroplets 213 (1993) 309
Ching, K.C., see M. Lequan 213 (1993) 71
Chiu, S.-W., see Z.-X. Ma 213 (1993) 250
Chou, S.-H., see T.-C. Chang 213 (1993) 564
Collings, B.A., see K. Athanassenas 213 (1993) 105
Colonna, G., C. Gorse, M. Capitelli, R. Winkler and J. Wilhelm, The influence of electron–electron collisions on electron energy distribution functions in N_2 post discharge 213 (1993) 5

Corn , R.M., see D.A. Higgins 213 (1993) 485
Crespo, R., see M.C. Piqueras 213 (1993) 509
Crystall, B., see I.D.W. Samuel 213 (1993) 472
Cvejanovic, S., see R. Abouaf 213 (1993) 503

Dagdigian, P.J., see J. Chen 213 (1993) 586
Dang, L.X., Solvation of ammonium ion. A molecular dynamics simulation with non-additive potentials 213 (1993) 541
Dao, L., see T.-H. Tran-Thi 213 (1993) 139
Daumont, D., see J. Brion 213 (1993) 610
De Cian, A., see T.-H. Tran-Thi 213 (1993) 139
DeDios, A.C., see J.D. Augspurger 213 (1993) 211
De Santis, A., A. Gregori and D. Rocca, The range of the local order in a model of diatomic liquid 213 (1993) 239
De Vries, M.S., see C.-H. Park 213 (1993) 196
DiCarlo, J., see C.-H. Park 213 (1993) 196
Dugourd, Ph., see K. Kobe 213 (1993) 554
Dyke, J.M., see J. Baker 213 (1993) 257
Dykstra, C.E., see J.D. Augspurger 213 (1993) 211

Ebbesen, T.W., see K. Tanigaki 213 (1993) 395
Effenberger, F., see J. Walz 213 (1993) 321
Eilers, H., see U. Hömmerich 213 (1993) 163
Endo, Y., see Y. Ohshima 213 (1993) 95
Ernst, R.R., see S. Hediger 213 (1993) 627

Falcetta, M.F. and P.E. Siska, Ab initio study of the long-range interaction between He^+ and H_2 213 (1993) 531
Fantucci, P., see V. Bonačić-Koutecký 213 (1993) 522
Felder, P., see M.-A. Thelen 213 (1993) 275
Ferrario, M., M.L. Klein and I.R. McDonald, Dynamical behavior of the azide ion in protic solvents 213 (1993) 537
Feyereisen, M.W., see O. Vahtras 213 (1993) 514
Figari, G., see V. Magnasco 213 (1993) 17
Fort, A., see M. Lequan 213 (1993) 71
Fournier, T., see T.-H. Tran-Thi 213 (1993) 139
Frei, G., see C.P.M. Giesbergen 213 (1993) 597
Friedrich, K.A. and G.L. Richmond, Surface second harmonic generation studies of stepped Ag(111) electrode surfaces 213 (1993) 491
Friend, R.H., see I.D.W. Samuel 213 (1993) 472
Fuchs, C., see V. Bonačić-Koutecký 213 (1993) 522
Fujiwara, Y., M. Mukai, T. Tamura, Y. Tanimoto and M. Okazaki, A laser flash photolysis study of the effect of intense magnetic fields on the photoreaction of benzophenone in SDS micellar solution 213 (1993) 89

García Solé, J., see U. Caldiño G. 213 (1993) 84
Gatti, C., see V. Bonačić-Koutecký 213 (1993) 522

Gedanken, A., see E. Sominska 213 (1993) 117
Geen, H., J.J. Titman and H.W. Spiess, Heteronuclear magnetization transfer in rapidly spinning solids 213 (1993) 145
Gerber, Ch., see J.K. Gimzewski 213 (1993) 401
Ghosh, A. and J. Almlöf, The ultraviolet photoelectron spectrum of free-base porphyrin revisited. The performance of local density functional theory 213 (1993) 519
Giesbergen, C.P.M., C. Terletski, G. Frei, H.U. Güdel and M. Glasbeek, Optically detected magnetic resonance spectroscopy of rhodium(III) mixed-chelate complexes 213 (1993) 597
Gimzewski, J.K., S. Modesti, Ch. Gerber and R.R. Schlittler, Observation of a new Au(111) reconstruction at the interface of an adsorbed C_{60} overlayer 213 (1993) 401
Glasbeek, M., see C.P.M. Giesbergen 213 (1993) 597
Goddard, J.D., see C.G. Joslin 213 (1993) 377
Goldberg, N., D. Sülzle and H. Schwarz, The gas-phase generation and characterization of butatrienylidene H_2CCCC: by neutralization–reionization mass spectrometry 213 (1993) 593
Goldman, S., see C.G. Joslin 213 (1993) 377
Gorse, C., see G. Colonna 213 (1993) 5
Graener, H., see K. Wolfrum 213 (1993) 41
Gray, C.G., see C.G. Joslin 213 (1993) 377
Gregori, A., see A. De Santis 213 (1993) 239
Grimme, S., S.D. Peyerimhoff, S. Bartram, F. Vögtle, A. Breest and J. Hormes, Experimental and theoretical study of the circular dichroism spectra of oxa- and thia-[2.2]metacyclophane 213 (1993) 32
Gross, H., Y. He, M. Quack, A. Schmid and G. Seyfang, Time-resolved detection of reaction products in the infrared laser chemistry of sulfoxides: C_2H_4SO, $(CH_3)_2SO$, $(CD_3)_2SO$ 213 (1993) 122
Güdel, H.U., see C.P.M. Giesbergen 213 (1993) 597
Gustavsson, T., see P. Hébert 213 (1993) 345
Gvishi, R., R. Reisfeld and Z. Burshtein, Spectroscopy and laser action of the "red perylimide dye" in various solvents 213 (1993) 338

Hackett, P.A., see K. Athanassenas 213 (1993) 105
Hamai, S., N. Tamai and H. Masuhara, Effects of the solid/liquid interface on the excimer formation of pyrene in toluene containing poly(methyl methacrylate). A time-resolved total internal reflection fluorescence study 213 (1993) 407
Hamanoue, K., see T. Nakayama 213 (1993) 581
Hamilton, P.A., see J. Baker 213 (1993) 297
Hammonds, K.D., I.R. McDonald and J.-P. Ryckaert, Conformer distribution and the kinetics of trans–gauche isomerization in a model of liquid *n*-octane 213 (1993) 27
Hayashi, M., R. Islampour and S.H. Lin, The calculation of single-vibronic level rate constants for displaced-distorted potential surfaces 213 (1993) 465
He, Y., see H. Gross 213 (1993) 122
Head-Gordon, M., see R.J. Rico 213 (1993) 224
Hébert, P., J. Baldacchino, T. Gustavsson and J.-C. Mialocq, Sub-picosecond fluorescence study of the LDS 751 dye molecule in ethanol 213 (1993) 345
Hediger, S., B.H. Meier and R.R. Ernst, Cross polarization under fast magic angle sample spinning using amplitude-modulated spin-lock sequences 213 (1993) 627
Heeger, A.J., see B. Kraabel 213 (1993) 389

Henderson, C.C., C.M. Rohlfing and P.A. Cahill, Theoretical studies of selected $C_{60}H_2$ and $C_{70}H_2$ isomers 213 (1993) 383
Henriksen, N.E. and B. Amstrup, Coherent control of HOD photodissociation dynamics in the first absorption band 213 (1993) 65
Higgins, D.A., R.R. Naujok and R.M. Corn , Second harmonic generation measurements of molecular orientation and coadsorption at the interface between two immiscible electrolyte solutions 213 (1993) 485
Hinek, M.J., see J. Supronowicz 213 (1993) 282
Hirosawa, I., see K. Tanigaki 213 (1993) 395
Hoffman, D.K., see Y. Huang 213 (1993) 209
Holmes, A.B., see I.D.W. Samuel 213 (1993) 472
Hömmerich, U., H. Eilers, W.M. Yen and H.R. Verdún, The optical center $M_nO_4^{3-}$ in Y_2SiO_5:Mn, X (X=Al, Ca) 213 (1993) 163
Honma, C., see T. Nakayama 213 (1993) 581
Horiai, K., see H. Uehara 213 (1993) 101
Hormes, J., see S. Grimme 213 (1993) 32
Houde, D., see T.-H. Tran-Thi 213 (1993) 139
Hsieh, T.-C., see T.-C. Chang 213 (1993) 564
Huang, Y., W. Zhu, D.J. Kouri and D.K. Hoffman, A general time-to-energy transform of wavepackets. Time-independent wavepacket-Schrödinger and wavepacket-Lippmann-Schwinger equation (Chem. Phys. Letters 206 (1993) 96). Erratum 213 (1993) 209
Huber, J.R., see M.-A. Thelen 213 (1993) 275
Huber, J.R., see G. Baum 213 (1993) 427
Huché, M., see M. Lequan 213 (1993) 71
Hurley, M.D., see T.J. Wallington 213 (1993) 442

Ishikawa, Y., Ab initio study of the structure and ionization potential of aluminum–sodium bimetallic cluster, Al_2Na 213 (1993) 527
Islampour, R., see M. Hayashi 213 (1993) 465
Ito, M., see M. Mimuro 213 (1993) 576

Janszky, J., P. Adam, An.V. Vinogradov and T. Kobayashi, Vibrational state shaping for selective laser chemistry 213 (1993) 368
Jaque, F., see U. Caldiño G. 213 (1993) 84
Jiménez-Mier, J., see S.J. Schaphorst 213 (1993) 315
Johnson, R.D., see C.-H. Park 213 (1993) 196
Jordan, K.D., see C.J. Tsai 213 (1993) 181
Jørgensen, P., see Y. Luo 213 (1993) 356
Joslin, C.G., C.G. Gray, J.D. Goddard, S. Goldman, J. Yang and J.D. Poll, Infrared rotation and vibration–rotation bands of endohedral fullerene complexes. $He@C_{60}$ 213 (1993) 377
Juvan, K.A., see J.L. Cheung 213 (1993) 309

Kamalov, V.F., I.A. Struganova and K. Yoshihara, Time-resolved emission spectra of the BIC J-aggregate at low temperature 213 (1993) 559
Kaminskii, A.A., see U. Caldiño G. 213 (1993) 84
Katoh, T., see M. Mimuro 213 (1993) 576
Kelner, V., see E. Sominska 213 (1993) 117

Kerim, A., see H. Uehara 213 (1993) 101
Klein, M.L., see M. Ferrario 213 (1993) 537
Kleinermanns, K., see J. Schlütter 213 (1993) 262
Knuth, E.L. and H.-G. Rubahn, Cross sections for rotational relaxation in alkali dimer molecular beams 213 (1993) 1
Knuts, S., see Y. Luo 213 (1993) 356
Kobayashi, T., see J. Janszky 213 (1993) 368
Kobe, K., H. Kühling, S. Rutz, E. Schreiber, J.P. Wolf, L. Wöste, M. Broyer and Ph. Dugourd, Time-resolved observation of molecular pseudorotation in Na_3 213 (1993) 554
Konno, T., see H. Uehara 213 (1993) 101
Kossanyi, J., see S. Bachir 213 (1993) 54
Kouri, D.J., see Y. Huang 213 (1993) 209
Kouyaté, D., see S. Bachir 213 (1993) 54
Kraabel, B., C.H. Lee, D. McBranch, D. Moses, N.S. Sariciftci and A.J. Heeger, Ultrafast photoinduced electron transfer in conducting polymer–buckminsterfullerene composites 213 (1993) 389
Krause, H. and H.J. Neusser, The van der Waals modes of the (benzene–Ar)$^+$ complex studied by mass selective pulsed field threshold ionization 213 (1993) 603
Krause, L., see J. Supronowicz 213 (1993) 282
Krause, M.O., see S.J. Schaphorst 213 (1993) 315
Kreisle, D., see K. Athanassenas 213 (1993) 105
Kühling, H., see K. Kobe 213 (1993) 554
Kuppermann, A. and Y.-S.M. Wu, The geometric phase effect shows up in chemical reactions (Chem. Phys. Letters 205 (1993) 577). Erratum 213 (1993) 636
Kushida, T., see J. Watanabe 213 (1993) 351
Kwok, A.S., see J.L. Cheung 213 (1993) 309

Larin, A.V., S.V. Poljanskii and D.N. Trubnikov, Assignment of the torsional structure of the 0_0^0 band of the electronic transition $A_{1g} \rightarrow B_{2u}$ in van der Waals clusters of type C_6H_6–X (X = N_2, CO_2, CO) 213 (1993) 619
Larsson, S., see M. Braga 213 (1993) 217
Laubereau, A., see K. Wolfrum 213 (1993) 41
Leach, D.H., see J.L. Cheung 213 (1993) 309
Lee, C.H., see B. Kraabel 213 (1993) 389
Lequan, M., R.M. Lequan, K.C. Ching, M. Barzoukas, A. Fort, G. Bravic, D. Chasseau, Y. Barrans and M. Huché, Quadratic non-linear optical properties of N-(4-nitrostilbenyl) (S) prolinol 213 (1993) 71
Lequan, R.M., see M. Lequan 213 (1993) 71
Li, H.-W., see T.-C. Chang 213 (1993) 564
Li, W.-K., see N.L. Ma 213 (1993) 189, 250
Liao, C.-L., see Z.-X. Ma 213 (1993) 250
Liao, D.-W. and K. Balasubramanian, Germanium monochloride (GeCl). Spectroscopic constants and potential energy curves 213 (1993) 174
Lienau, Ch., J.C. Williamson and A.H. Zewail, Femtochemistry at high pressures. The dynamics of an elementary reaction in the gas–liquid transition region 213 (1993) 289
Lin, S.H., see M. Hayashi 213 (1993) 465
Liu, K., see Z. Ma 213 (1993) 269
Loo, B.H., Enhanced Raman scattering from hexacyanoferrate (II) and (III) ions adsorbed on silver electrode surfaces 213 (1993) 479

Luo, Y., H. Ågren, S. Knuts and P. Jørgensen, The two-photon spectrum of pyrimidine. Role of vibronic coupling 213 (1993) 356
Lynch, G.C., see S.L. Mielke 213 (1993) 10

Ma, N.L., S.S. Wong, M.N. Paddon-Row and W.-K. Li, Is HPC a minimum on the HCP potential surface? A failure of the Møller–Plesset perturbation theory 213 (1993) 189
Ma, N.L., see Z.-X. Ma 213 (1993) 250
Ma, Z. and K. Liu, Collision-induced fine-structure transition of $O(^3P_2) \rightarrow O(^3P_{1,0})$ by He and H_2: excitation function and branching ratio 213 (1993) 269
Ma, Z.-X., C.-L. Liao, H.-M. Yin, C.Y. Ng, S.-W. Chiu, N.L. Ma and W.-K. Li, Experimental and theoretical studies of isomeric C_2H_5S and $C_2H_5S^+$ 213 (1993) 250
Magnasco, V., A. Siciliano and G. Figari, Variationally improving the Inui wavefunction for H_2 213 (1993) 17
Malicet, J., see J. Brion 213 (1993) 610
Mansfeld, M. and W.S. Veeman, The use of ^{129}Xe NMR exchange spectroscopy for probing the microstructure of porous materials 213 (1993) 153
Maricq, M.M. and J.J. Szente, Upper limits for the rate constants of the reactions $CF_3O+O_3 \rightarrow CF_3O_2+O_2$ and $CF_3O_2+O_3 \rightarrow CF_3O+2O_2$ 213 (1993) 449
Märk, T.D., see D. Smith 213 (1993) 202
Martinho, J.M.G., see A.T. Reis e Sousa 213 (1993) 333
Masuhara, H., see S. Hamai 213 (1993) 407
Matsuo, T., see Y. Miyazaki 213 (1993) 303
McBranch, D., see B. Kraabel 213 (1993) 389
McDonald, I.R., see K.D. Hammonds 213 (1993) 27
McDonald, I.R., see M. Ferrario 213 (1993) 537
Meier, B.H., see S. Hediger 213 (1993) 627
Metcalf, D.H., see J.P. Bolender 213 (1993) 131
Mialocq, J.-C., see P. Hébert 213 (1993) 345
Michl, J., see H.S. Plitt 213 (1993) 158
Mielke, S.L., G.C. Lynch, D.G. Truhlar and D.W. Schwenke, A more accurate potential energy surface and quantum mechanical cross section calculations for the $F+H_2$ reaction 213 (1993) 10
Miki, S., see T. Nakayama 213 (1993) 581
Mimuro, M., Y. Nishimura, S. Takaichi, Y. Yamano, M. Ito, S. Nagaoka, I. Yamazaki, T. Katoh and U. Nagashima, The effect of molecular structure on the relaxation processes of carotenoids containing a carbonyl group 213 (1993) 576
Miyazaki, Y., T. Matsuo and H. Suga, Glass transition of myoglobin crystal 213 (1993) 303
Mizuki, J., see K. Tanigaki 213 (1993) 395
Modesti, S., see J.K. Gimzewski 213 (1993) 401
Moerner, W.E., see P. Tchénio 213 (1993) 325
Moses, D., see B. Kraabel 213 (1993) 389
Mukai, M., see Y. Fujiwara 213 (1993) 89
Myers, A.B., see P. Tchénio 213 (1993) 325

Nabedryk, E., see J. Breton 213 (1993) 571
Nagaoka, S., see M. Mimuro 213 (1993) 576
Nagashima, U., see M. Mimuro 213 (1993) 576
Nakahara, J., see J. Watanabe 213 (1993) 351

Nakayama, T., C. Honma, S. Miki and K. Hamanoue, Intra- and inter-molecular hydrogen-atom abstraction of photoexcited 1,4-dimethylanthraquinone 213 (1993) 581
Naujok, R.R., see D.A. Higgins 213 (1993) 485
Neusser, H.J., see H. Krause 213 (1993) 603
Ng, C.Y., see Z.-X. Ma 213 (1993) 250
Nielsen, O.J. and J. Sehested, Upper limits for the rate constants of the reactions of CF_3O_2 and CF_3O radicals with ozone at 295 K 213 (1993) 433
Nielsen, O.J., see J. Sehested 213 (1993) 457
Nishimura, Y., see M. Mimuro 213 (1993) 576

Ohshima, Y. and Y. Endo, Fourier-transform microwave spectroscopy of $^{24}Mg^{35}Cl$ generated by laser ablation 213 (1993) 95
Okahara, K., see K. Yoshizawa 213 (1993) 498
Okazaki, M., see Y. Fujiwara 213 (1993) 89
Oldfield, E., see J.D. Augspurger 213 (1993) 211
Ortí, E., see M.C. Piqueras 213 (1993) 509
Ozaki, Y., see H. Uehara 213 (1993) 101

Paddon-Row, M.N., see N.L. Ma 213 (1993) 189
Parisse, C., see J. Brion 213 (1993) 610
Park, C.-H., B.O. Wells, J. DiCarlo, Z.-X. Shen, J.R. Salem, D.S. Bethune, C.S. Yannoni, R.D. Johnson, M.S. De Vries, C. Booth, F. Bridges and P. Pianetta, Structural information on Y ions in C_{82} from EXAFS experiments 213 (1993) 196
Parmigiani, F. and L. Sangaletti, Electronic correlation effects in the Ni 3s and Co 3s X-ray photoelectron spectra of NiO, CoO, K_2NiF_4 and K_2CoF_4 213 (1993) 613
Patterson, C.H., A novel method for computing bond–bond interactions of large systems 213 (1993) 59
Pépin, C., see T.-H. Tran-Thi 213 (1993) 139
Petek, H., see P.B. Bisht 213 (1993) 75
Petersen, B.L., L.J. Terminello, J.J. Barton and D.A. Shirley, Photoelectron holography of Pt(111) at 351 eV 213 (1993) 412
Peyerimhoff, S.D., see S. Grimme 213 (1993) 32
Pianetta, P., see C.-H. Park 213 (1993) 196
Piqueras, M.C., R. Crespo, E. Ortí and F. Tomás, AM1 prediction of the equilibrium geometry of Si_{60} 213 (1993) 509
Pittner, J., see V. Bonačić-Koutecký 213 (1993) 522
Plitt, H.S., V. Balaji and J. Michl, Localization of singlet excitation in short silicon chains, Si_2Me_6 to Si_6Me_{14} 213 (1993) 158
Polezzo, S., see V. Bonačić-Koutecký 213 (1993) 522
Poljanskii, S.V., see A.V. Larin 213 (1993) 619
Poll, J.D., see C.G. Joslin 213 (1993) 377
Pommier, J., see R. Abouaf 213 (1993) 503
Port, H., see J. Walz 213 (1993) 321

Qin, S., W.-M. You and Z.-B. Su, Theoretical approach to EPR spectrum of C_{60}^- in molecular sieve 13X 213 (1993) 373
Quack, M., see H. Gross 213 (1993) 122
Que, W., see D.F. Agterberg 213 (1993) 207

Rayner, D.M., see K. Athanassenas 213 (1993) 105
Reis e Sousa, A.T., E.M.S. Castanheira, J.M.G. Martinho, S. Saghbini, F. Baros, J.C. André and M.A. Winnik, Influence of pressure on cyclization of a polystyrene chain. Time-resolved fluorescence measurements 213 (1993) 333
Reisfeld, R., see D. Shamrakov 213 (1993) 47
Reisfeld, R., see R. Gvishi 213 (1993) 338
Richardson, F.S., see J.P. Bolender 213 (1993) 131
Richmond, G.L., see K.A. Friedrich 213 (1993) 491
Rico, R.J. and M. Head-Gordon, Single-reference theories of molecular excited states with single and double substitutions 213 (1993) 224
Rocca, D., see A. De Santis 213 (1993) 239
Rohlfing, C.M., see C.C. Henderson 213 (1993) 383
Ronfard-Haret, J.C., see S. Bachir 213 (1993) 54
Rossky, P.J., see W.-S. Sheu 213 (1993) 233
Rubahn, H.-G., see E.L. Knuth 213 (1993) 1
Rumbles, G., see I.D.W. Samuel 213 (1993) 472
Russo, N., E. Sicilia and M. Toscano, Singlet–triplet gap in HCl halocarbene 213 (1993) 245
Rutz, S., see K. Kobe 213 (1993) 554
Ryckaert, J.-P., see K.D. Hammonds 213 (1993) 27

Saghbini, S., see A.T. Reis e Sousa 213 (1993) 333
Salem, J.R., see C.-H. Park 213 (1993) 196
Samuel, I.D.W., B. Crystall, G. Rumbles, P.L. Burn, A.B. Holmes and R.H. Friend, The efficiency and time-dependence of luminescence from poly(*p*-phenylene vinylene) and derivatives 213 (1993) 472
Sangaletti, L., see F. Parmigiani 213 (1993) 613
Sariciftci, N.S., see B. Kraabel 213 (1993) 389
Sato, T., see K. Yoshizawa 213 (1993) 498
Schaphorst, S.J., C.D. Caldwell, M.O. Krause and J. Jiménez-Mier, Evidence for atomic features in the decay of resonantly excited molecular oxygen 213 (1993) 315
Schlittler, R.R., see J.K. Gimzewski 213 (1993) 401
Schlütter, J., R. Schott and K. Kleinermanns, State selective investigation of the reactions $O(^1D)+CH_4$ $(C_2H_6)\rightarrow OH$ $(CH_2OH)+CH_3(\nu_1(v), \nu_2(v), J, K)$ using resonant multiphoton ionization detection of CH_3 213 (1993) 262
Schmid, A., see H. Gross 213 (1993) 122
Schmidt, R. and M. Bodesheim, Efficiencies of $O_2(^1\Sigma_g^+)$ and $O_2(^1\Delta_g)$ formation in the primary steps of triplet state photosensitization in solution 213 (1993) 111
Schneider, W.F., see T.J. Wallington 213 (1993) 442
Schott, R., see J. Schlütter 213 (1993) 262
Schreiber, E., see K. Kobe 213 (1993) 554
Schwarz, H., see N. Goldberg 213 (1993) 593
Schwenke, D.W., see S.L. Mielke 213 (1993) 10
Sehested, J., see O.J. Nielsen 213 (1993) 433
Sehested, J., O.J. Nielsen and T.J. Wallington, Absolute rate constants for the reaction of NO with a series of peroxy radicals in the gas phase at 295 K 213 (1993) 457
Seyfang, G., see H. Gross 213 (1993) 122
Shamrakov, D. and R. Reisfeld, Superradiant film laser operation in red perylimide dye doped silica–polymethylmethacrylate composite 213 (1993) 47

Shen, Z.-X., see C.-H. Park 213 (1993) 196
Sheu, W.-S. and P.J. Rossky, Dynamics of electron photodetachment from an aqueous halide ion 213 (1993) 233
Shirley, D.A., see B.L. Petersen 213 (1993) 412
Sicilia, E., see N. Russo 213 (1993) 245
Siciliano, A., see V. Magnasco 213 (1993) 17
Singh, R.K., B.P. Asthana and H.D. Bist, Study of the dynamics of phase transition in NH_4SCN by a precise Raman linewidth and frequency shift measurement (Chem. Phys. Letters 209 (1993) 390). Erratum 213 (1993) 210
Siska, P.E., see M.F. Falcetta 213 (1993) 531
Smith, D., P. Španel and T.D. Märk, Electron attachment to C_{60} at low energies 213 (1993) 202
Sominska, E., V. Kelner and A. Gedanken, Is the Schumann–Runge continuum of oxygen structureless? 213 (1993) 117
Španel, P., see D. Smith 213 (1993) 202
Spiess, H.W., see H. Geen 213 (1993) 145
Struganova, I.A., see V.F. Kamalov 213 (1993) 559
Su, Z.-B., see S. Qin 213 (1993) 373
Suga, H., see Y. Miyazaki 213 (1993) 303
Sülzle, D., see N. Goldberg 213 (1993) 593
Supronowicz, J., M.J. Hinek, J.B. Atkinson and L. Krause, Mixing of the Cd $5\,^3P$ fine-structure states by Hg collisions 213 (1993) 282
Szente, J.J., see M.M. Maricq 213 (1993) 449

Takahashi, H., see J. Watanabe 213 (1993) 351
Takaichi, S., see M. Mimuro 213 (1993) 576
Tamai, N., see S. Hamai 213 (1993) 407
Tamura, T., see Y. Fujiwara 213 (1993) 89
Tanaka, K., see K. Yoshizawa 213 (1993) 498
Tanigaki, K., I. Hirosawa, J. Mizuki and T.W. Ebbesen, Lattice parameters of alkali-metal-doped C_{60} fullerides 213 (1993) 395
Tanimoto, Y., see Y. Fujiwara 213 (1993) 89
Tchénio, P., A.B. Myers and W.E. Moerner, Vibrational analysis of the dispersed fluorescence from single molecules of terrylene in polyethylene 213 (1993) 325
Terletski, C., see C.P.M. Giesbergen 213 (1993) 597
Terminello, L.J., see B.L. Petersen 213 (1993) 412
Thelen, M.-A., P. Felder and J.R. Huber, The photofragmentation of methyl hydroperoxide CH_3OOH at 193 and 248 nm in a cold molecular beam 213 (1993) 275
Titman, J.J., see H. Geen 213 (1993) 145
Tomás, F., see M.C. Piqueras 213 (1993) 509
Toscano, M., see N. Russo 213 (1993) 245
Tran-Thi, T.-H., T. Fournier, A. De Cian, D. Chabach, R. Weiss, D. Houde, C. Pépin and L. Dao, Picosecond relaxation of charge transfer states in an asymmetric cerium double-decker sandwich compound 213 (1993) 139
Trubnikov, D.N., see A.V. Larin 213 (1993) 619
Truhlar, D.G., see S.L. Mielke 213 (1993) 10
Tsai, C.J. and K.D. Jordan, Theoretical study of the $(H_2O)_6$ cluster 213 (1993) 181

Uehara, H., K. Horiai, A. Kerim, Y. Ozaki and T. Konno, Infrared emission spectrum of NaBr 213 (1993) 101
Ulrich, K., see J. Walz 213 (1993) 321

Vahtras, O., J. Almlöf and M.W. Feyereisen, Integral approximations for LCAO-SCF calculations 213 (1993) 514
Veeman, W.S., see M. Mansfeld 213 (1993) 153
Verdún, H.R., see U. Hömmerich 213 (1993) 163
Vinogradov, An.V., see J. Janszky 213 (1993) 368
Voda, M., see U. Caldiño G. 213 (1993) 84
Vögtle, F., see S. Grimme 213 (1993) 32

Walker, M.B., see D.F. Agterberg 213 (1993) 207
Wallington, T.J., M.D. Hurley and W.F. Schneider, Kinetic study of the reaction $CF_3O+O_3 \rightarrow CF_3O_2+O_2$ 213 (1993) 442
Wallington, T.J., see J. Sehested 213 (1993) 457
Walz, J., K. Ulrich, H. Port, H.C. Wolf, J. Wonner and F. Effenberger, Fulgides as switches for intramolecular energy transfer 213 (1993) 321
Wang, X.-Y., see Z.-L. Cai 213 (1993) 168
Watanabe, J., H. Takahashi, J. Nakahara and T. Kushida, Subpicosecond dynamic Stokes shift in β-carotene solution probed by excitation energy dependence of fluorescence spectrum 213 (1993) 351
Weiss, R., see T.-H. Tran-Thi 213 (1993) 139
Wells, B.O., see C.-H. Park 213 (1993) 196
White, J.A. and D.M. Bird, Dissociative adsorption of H_2 on Cu(100) 213 (1993) 422
Wilhelm, J., see G. Colonna 213 (1993) 5
Williamson, J.C., see Ch. Lienau 213 (1993) 289
Winkler, R., see G. Colonna 213 (1993) 5
Winnik, M.A., see A.T. Reis e Sousa 213 (1993) 333
Wolf, H.C., see J. Walz 213 (1993) 321
Wolf, J.P., see K. Kobe 213 (1993) 554
Wolfrum, K., H. Graener and A. Laubereau, Sum-frequency vibrational spectroscopy at the liquid–air interface of methanol. Water solutions 213 (1993) 41
Wong, S.S., see N.L. Ma 213 (1993) 189
Wonner, J., see J. Walz 213 (1993) 321
Wöste, L., see K. Kobe 213 (1993) 554
Wu, Y.-S.M., see A. Kuppermann 213 (1993) 636

Yamabe, T., see K. Yoshizawa 213 (1993) 498
Yamano, Y., see M. Mimuro 213 (1993) 576
Yamazaki, I., see M. Mimuro 213 (1993) 576
Yang, J., see C.G. Joslin 213 (1993) 377
Yannoni, C.S., see C.-H. Park 213 (1993) 196
Yen, W.M., see U. Hömmerich 213 (1993) 163
Yin, H.-M., see Z.-X. Ma 213 (1993) 250
Yoshihara, K., see P.B. Bisht 213 (1993) 75
Yoshihara, K., see V.F. Kamalov 213 (1993) 559

Yoshizawa, K., T. Sato, K. Tanaka, T. Yamabe and K. Okahara, ESR study of TDAE–C_{60} and TDAE–C_{70} in solution 213 (1993) 498
You, W.-M., see S. Qin 213 (1993) 373

Zewail, A.H., see Ch. Lienau 213 (1993) 289
Zhang, X.-G., see Z.-L. Cai 213 (1993) 168
Zhu, W., see Y. Huang 213 (1993) 209